

CDM – Executive Board

SECTION A. General description of small-scale project activity
A.1 Title of the small-scale project activity:

Title: Balsio Small Hydroelectric Project of Ginni Global Pvt. Ltd.

Version: 03

Date: 15 November 2010

Version Number	Date	Description and reason of revision
01	01 December 2009	Webhosted PDD
02	04 August 2010	CARs from DOE regarding benchmark analysis, prior consideration of CDM and monitoring plan of project activity
03	15 November 2010	CARs from DOE regarding investment barrier analysis

A.2. Description of the small-scale project activity:

The Balsio Hydel Project is a green-field run-of-the river development for power generation on Balsio Nallah, a perennial tributary of Baira Nallah in the Ravi Basin by Ginni Global Pvt. Ltd. (GGPL). The Project is located near Dhadiund village about 90 kms north of Chamba on Chamba – Tisa – Bairagarh highway in Chamba district of Himachal Pradesh.

The Balsio Hydel Project with a power generation capacity of 5.0 MW has been proposed to augment the power generation in Himachal Pradesh using renewable energy. The project activity will also improve the voltage profile and reliability of the power system in the remote area by delivering 21.95 GWh of clean energy to the grid. The project is expected to be commissioned by February 2011.

Since the project activity would generate clean electricity from the flowing waters of the Balsio Nallah that was otherwise not being utilized, it would avoid emission of greenhouse gases. In the absence of the project activity, the same amount of electricity would have to be produced by generating units currently connected to the regional grid (North, East, West, North-Eastern grid or NEWNE grid) which predominantly consists of fossil fuel fired units. Hence, the project activity would displace electricity from an electricity distribution system that is mainly being supplied by fossil fuel fired generating units.

Contribution of the project activity to sustainable development:

Ministry of Environment and Forests, Govt. of India has stipulated the following indicators for sustainable development in the interim approval guidelines for Clean Development Mechanism (CDM) projects¹:

- **Social well being**

The CDM project activity should lead to alleviation of poverty by generating additional employment, removal of social disparities and contribution to provision of basic amenities to people leading to improvement in quality of life of people.

- The project activity would generate employment in the region during construction as well as operation of the project activity.
- It would lead upliftment of society by generation of employment and development of the region.

¹ http://cdmindia.nic.in/host_approval_criteria.htm

CDM – Executive Board

- The project is a run of the river scheme, which does not involve any impounding of water. Hence submergence will not occur and there will be no need for rehabilitation.
- **Economic well-being**
The CDM project activity should bring in additional investment consistent with the needs of the people.
 - The project activity would generate employment for the local population and alleviate poverty.
 - It would also lead to additional investment for the development of infrastructure in the region like roads, communication facilities etc and the same could be utilized by the local population.
- **Environmental well being**
This should include a discussion of impact of the project activity on resource sustainability and resource degradation, if any, due to proposed activity; bio-diversity friendliness; impact on human health; reduction of levels of pollution in general.
 - The project activity would utilize the hydro potential available for power generation in a state that is a part of the NEWNE grid system where power generation is dominated by fossil fuels. The project activity will not result in increase of GHG emissions and hence cause no negative impact on the environment both at local as well as at the global level.
 - The project activity does not result in degradation of any natural resources, health standards, etc. at the project area.
 - It would lead to conservation of fossil fuels.
- **Technological well being**
The CDM project activity should lead to transfer of environmentally safe and sound technologies with a priority to the renewable sector or energy efficiency projects that are comparable to best practices in order to assist in up-gradation of technological base.
 - The project activity employs the advanced hydro power generation technology that would encourage setting up of such new projects in future.
 - The project generates real, measurable and long term emission reductions.

A.3. Project participants:

Name of Party involved ⁽²⁾ (host)indicates a host party)	Private and/or public entity (ies) Project Participants ⁽²⁾ (as applicable)	Kindly indicate if the party involved wishes to be considered as project participant (Yes/No)
India	Ginni Global Pvt. Ltd. (Private Entity)	No

A.4. Technical description of the small-scale project activity:

⁽²⁾ In accordance with the CDM modalities and procedures, at the time of making the CDM-PDD public at the stage of validation, a Party involved may or may not have provided its approval. At the time of requesting registration, the approval by the Party(ies) involved is required.